

MACOM Announces Dual 28Gbps Clock Data Recovery Devices with Integrated Laser Driver for SFP28

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MACOM's MASC-37028 and MASC-37029 Provide Customers with Highly Integrated, Flexible Solutions for 24G wireless, 25G Ethernet and 32G Fiber Channel applications

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance RF, microwave, millimeterwave and photonic semiconductor products, today announced the [MASC-37028](#) and [MASC-37029](#), dual 28Gbps Clock and Data Recovery (CDR) devices with integrated laser driver. These devices are ideal for SFP28 short reach (SR) or long reach (LR) module applications with flexibility in module design.

MACOM's dual reference-free CDR devices feature multi-rate retiming, with the MASC-37028 retiming from 24Gbps to 26.5Gbps and the MASC-37029 retiming from 25.5Gbps to 28.1Gbps. The flexible output drive options with programmable output swing and eye shaping feature support VCSEL, DML and EML laser applications. The MASC-37029 also incorporates dedicated RS0/RS1 functionality to enable use with Fibre Channel speed negotiation.

These devices offer high input jitter tolerance and low output jitter with low power and low latency performance. The devices provide customers with an integrated temperature sensor, supply voltage monitor, Tx power monitor and receive power indicator. Additionally, both the MASC-37028 and MASC-37029 offer customers adaptive input equalization, programmable LOS threshold and slice level adjust and integrated PRBS generator, checker and bidirectional loop back.

"MACOM's MASC-37028 and MASC-37029 are highly integrated, low-power 28G solutions designed to be flexible for both SR and LR SFP28 applications," said Angus Lai, Director of Product Marketing, High-Performance Analog at MACOM. "These devices interface seamlessly with MACOM's M03002, a low power single channel 28G TIA, for a complete SFP28 SR application solution. They are also compatible with MAOM-002301, a low power single channel 28G DML driver, for a complete SFP28 long reach application solution."

"MACOM's new innovative dual 28G CDR with integrated laser driver provides the rich feature set and superior performance ideal for ease of use in SFP28 module design," Frank Wang, Project Manager, Accelink Technologies Co., Ltd. "This SFP28 chipset solution will enable us to deliver cost-effective, flexible solutions for both SFP28 SR and LR modules to our customers, further accelerating the deployment of 24G wireless, 25G Ethernet and 32G Fiber Channel applications."

MACOM's MASC-37028 and MASC-37029 will be featured in a private demonstration at OFC 2016, Booth #3101, March 22-24th in Anaheim, CA. To make an appointment, contact your local sales representative. For more information on MACOM's broad optical and photonic portfolio visit: www.macom.com.

ABOUT MACOM:

M/A-COM Technology Solutions Inc. (www.macom.com) is a leading supplier of high-performance analog RF, microwave, millimeter wave and photonic semiconductor products that enable next-generation internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including high speed optical, satellite, radar, wired and wireless networks, industrial, medical, and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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